

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: December 16, 2004

Inspector: Diana Walden

Location: Norwalk Substation Expansion

**Storm/
Rain Event** The area received between 0.64" and 1.01" of rain between the day of the last inspection 12/09/04 to 12/10/04.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> -The inlet near the Route 7 ramp has been enclosed in silt fence to filter incoming storm water. 12/16/04 - The ditch along the perimeter fence still has some minor gullies but an earthen swale has been constructed to better direct the stormwater. 12/16/04 	<ul style="list-style-type: none"> - An earthen swale has been created, connecting the ditch to the inlet. The swale should be monitored for effectiveness and may require additional stabilization in the future. 12/16/04
Foundation construction	<ul style="list-style-type: none"> - Work continues excavating and installing the grounding grid around the proposed GIS building. More material has been stock piled but is well within the site and is contained by wall 2. 12/16/04 	<ul style="list-style-type: none"> - None at this time. 12/16/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - The silt fence has been removed from the river side of the overflow channel where the area appears stabilized. It remains as necessary at the ends of the overflow channel where vegetative has not fully established. 12/16/04 	<ul style="list-style-type: none"> - Continue to be proactive in silt fence repair and maintenance where needed.
	<ul style="list-style-type: none"> - The hydroseed is slowly showing signs of germination, however wildlife in the area continues to eat the seeds and grass sprouts. 12/16/04 	<ul style="list-style-type: none"> - Continue to monitor the area for sufficient cover and stabilization. 12/16/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	-The overflow channel continues to work well as the water remains free of sediment and further erosion has not occurred in this area. 12/02-12/16/04.	- None at this time. 12/16/04
	- The flared inlet near the Rt 7 ramp has been enclosed in silt fence to help filter stormwater runoff. 12/16/04	- Continue to monitor for effectiveness. 12/16/04
	- Some gullies remain on the slopes of the ditch along the perimeter fence and Rt 7 ramp, but an earthen berm/swale has been constructed to better direct runoff. 12/16/04	- Monitor the swale for effectiveness during rain events and determine whether further stabilization is necessary. 12/16/04
	- The catch basin near the control building has been fitted with filter fabric. This inlet actually leads to a holding chamber with an oil/water separator. 12/16/04	- None at this time. 12/16/04
Inland Wetland and Watercourse encroachment and mitigation	- Silt fence has been removed from most areas along the wetland/river side of the channel as the area is stabilized. 12/16/04	-None at this time. Continue to monitor. 12/16/04
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-Some plantings along the channel were flagged for damage to see how they survive the winter. 11/18/04	- The plantings will be evaluated for any permanent damage in the spring and hydroseed was placed as ground cover here. 11/18/04
Dewatering	- Dewatering activities are complete at this time.	-No actions required at this time.

Areas of Inspection	Observation	Recommended Action
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills and Material Storage	<ul style="list-style-type: none"> - There were no spills reported during the week. - During inspection, it was noted that a diaper hooked under a dump truck became saturated and started dripping on the ground. A small fuel drip was also noted near an equipment truck, likely from recent refueling. The diaper was to be changed and the soil was going to be picked up in both cases. 12/16/04 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations	<ul style="list-style-type: none"> - As previously noted, construction activities are ongoing on the bridge on Broad Street to the north. 9/10-12/16/04 - The island or bank on which the bridge footing was located is mostly bare of vegetation but has erosion control. 	- The work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential off-site sedimentation source. 9/10-12/16/04

Next likely scheduled inspection:

Wednesday December 22, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden

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Date: December 16, 2004

Inspector: Diana Walden

Location: Plumtree Substation Expansion , Bethel

**Storm/
Rain Event** The area received between 0.64" and 1.01" of rain between the day of the last inspection 12/09/04 to 12/10/04.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 12/16/04	- None at this time. 12/16/04
Foundation construction	-The major work of placing equipment on the recently constructed slab is ongoing. This involves almost no soil disturbance. 11/04-12/16/04 - Some excavation is ongoing as the concrete cable trenches and equipment are being installed at the edge of the concrete pad. 12/16/04	- The areas are still well contained at this time. A trench is planned for an area closer to the perimeter fence where the berm is not as sizeable. From the gradient and proposed construction, it does not appear this will be an issue but it will be monitored and the berm will be re-inforced if necessary. 12/16/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The site did not show any evidence of any runoff or soil migration from the site. Portions of the site remain muddy. 12/16/04	- None at this time 12/16/04

Areas of Inspection	Observation	Recommended Action
	- There is no silt fence in place at this time, however major stockpiles are covered in plastic following the end of each work day. 9/16-12/16/04	-All areas are well-contained and there is no sedimentation near any off site areas. 12/16/04
	- The stone perimeter berm is well in place and contains the yard. It effectively prevents any turbid water from leaving the site. 12/16/04	- The berm is working well at this time. Continue to monitor for any trouble spots. Also, consider reinforcing the berm in low spots should work activities approach. 12/16/04
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. Work is fairly close to the perimeter fence but there is no noted sedimentation to the wetland area. 9/10-12/16/04	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 9/23-12/16/04
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Some very minor dewatering continues as a result of the trenching near the pad. The end of the discharge hose has been placed within the stone yard. 12/16/04	- None at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- There were no spills reported during the week or noted on site during the inspection. There are few	- The contractors should remain vigilant about securing and handling fuel containers.

Areas of Inspection	Observation	Recommended Action
	<p>pieces of machinery on site at this time. 12/16/04</p> <p>- Rainwater had collected in a secondary containment trough had recently reached the top of the trough and had a slight sheen on the surface. The water was drained and filtered through an absorbent boom so that the spillover would not occur unmonitored at the next rain event. 12/16/04</p>	<p>- Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional Observations		

Next likely scheduled inspection:

Wednesday December 22, 2004

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Silt fence has been removed from the vegetated area across the overflow channel and the area appears stabilized. The wildlife in the area is helping to inhibit further grass growth! 12/16/04



Stockpiling continues as a result of the ground grid excavation. All soil is well enclosed within the site within the inner retaining walls. 12/16/04



View of the excavation and further construction of the grounding grid for the GIS building.
12/16/04



The earthen swale/berm along the perimeter fence near the Route 7 ramp has been created to better direct stormwater run off from the ditch. The inlet has also been enclosed in silt fence.
12/16/04



Plumtree Substation: Work continues on minor excavation/installation of cable trenches adjacent to the concrete slab. All stockpiles are well within the site. 12/16/04



Work continues on construction and installation of the equipment on the concrete slab. 12/16/04